रजिस्टर्ड सं. डी--(डी एन)--128/91 REGISTERED NO. D.—(D.N.) 128/91

भारत का राजपत्र
The Gazette of India

सत्यमेव जयते

प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY

सं० 10] नई दिल्ली, शनिवार, मार्च 9, 1991 (फाल्गुन 18, 1912)
No. 10] NEW DELHI, SATURDAY, MARCH 9, 1991 (PHALGUNA 18, 1912)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2
[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE

PATENTS AND DESIGNS

Calcutta, the 9th March, 1991

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The States of Gujarat, Maharashtra and Madhya Pradesh and the Union Territories of Goa, Daman and Diu and Dadra and Nagar Haveli.

Telegraphic address "PATOFFICE".

Patent Office Branch,
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Municipal Market Building,
Saraswati Marg, Karol Bagh,
New Delhi-110 005.

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Telegraphic address "PATENTOFIS".

Patent Office (Head Office),
"NIZAM PALACE", 2nd M.S.O. Bldg.,
5th, 6th and 7th Floor,
234/4, Acharya Jagdish Bose Road,
Calcutta-700 020.

Rest of India.

Telegraphic address "PATENTS".

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Fees :—The fees may either be paid in cash or may be sent by Money Order or Postal Order, payable to the Controller at the appropriate Offices or by Bank Draft or Cheque, payable to the Controller drawn on a scheduled bank at the place where the appropriate office is situated.

पेटेंट कार्यालय

एकस्व तथा अभिकल्प

कलकत्ता, दिनांक 9 मार्च 1991

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में स्थित है तथा बम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टोढी इस्टेट,
तीसरा तल, लोअर परेल (पश्चिम),
बम्बई-400 013

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य क्षेत्र एवं संघ शासित क्षेत्र गोआ, दमन तथा दिव एवं दादरा और नगर हवेली।

तार पता—"पेटोफिस"

पेटेंट कार्यालय शाखा,
इकाई सं० 401 से 405, तीसरा तल,
नगरपालिका बाजार भवन,
सरस्वती मार्ग, करोल बाग,
नई दिल्ली-110 005

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर, पंजाब, राजस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों एवं संघ शासित क्षेत्र चंडीगढ़ तथा दिल्ली।

तार पता—"पेटेंटोफिक"

पेटेंट कार्यालय शाखा,
61, वालाजाह रोड,
मद्रास-600 002

आंध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु राज्य क्षेत्र एवं संघ शासित क्षेत्र पाण्डिचेरी, लक्षद्वीप, मिनिकॉय तथा एमिनिदिवि द्वीप।

तार पता—"पेटेंटोफिस"

पेटेंट कार्यालय (प्रधान कार्यालय),
निजाम पैलेस, द्वितीय बहुतलीय कार्यालय
भवन 5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस रोड,
कलकत्ता-700 020

भारत का अवशेष क्षेत्र

तार पता—"पेटेंट्स"

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अपेक्षित सभी आवेदन-पत्र, सूचनाएं, विवरण या अन्य प्रलेख पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जाएंगे।

शुल्क : —शुल्कों की अदायगी या तो नकद की जाएगी अथवा उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनादेश अथवा डाक आदेश या जहां उपयुक्त कार्यालय स्थित है, उस स्थान के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट अथवा चैक द्वारा की जा सकती है।

PATENT OFFICE BRANCH, BOMBAY
CORRIGENDA

(1) In respect of Patent No. 166975 (323/Bom/87) on page No. 902 under second figure 2 may be deleted.

(2) In respect of Patent No. 166977 (332/Bom/87) on page No. 902 under claim Add :—"4 claims" instead of claim.

(3) In respect of Patent No. 166978 (354/Bom/87) on page No. 903 under claim Figure 2 may be shown.

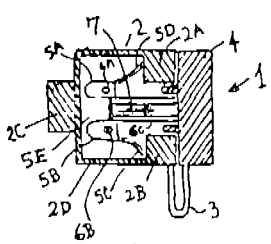


Fig. 2

THE PATENT OFFICE

Calcutta, the 9th March, 1991

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE 234/4, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-20

The dates shown in the crescent brackets are the dates claimed Under Section 135, of the Patents Act 1970.

30th January, 1991

91/Cal/91 Professor P. Sengupta. Digitherm-101, A low temperature measuring 3½ digit instrument.

92/Cal/91 Manindra Kumar Chatterjee. Perthenium compounds as oral medicine.

93/Cal/91 Rabi Mukhopadhyay. Solid absorption based refrigeration machine.

94/Cal/91 Somnath Roy. Improvements in or relating to an apparatus for withering of tea leaves.

95/Cal/91 (1) J. Joseph Cheng, (2) Richard R. Snow, (3) Geoffery Evans, (4) Charles R. Bamford, (5) Harold B. Milnes. Batch composition for making infrared and ultraviolet radiation absorbing green glass.

96/Cal/91 Westinghouse Electric Corporation. Improvements in or relating to optimizing reactive power distribution in an industrial power network.

31st January, 1991

97/Cal/91 Jay Wang. Drum.

98/Cal/91 Ethicon, Inc. Segmented copolymers of ε-Caprolactone and glycolide.

1st February, 1991

99/Cal/91 Hybrood Pty. Ltd. A vehicle chassis.

100/Cal/91 Protap Kumar Ghose. An improved twin full-free-lift clear-view fork-lift mast with single triple telescopic short jack.

101/Cal/91 Texaco Development Corporation. Variable mode microwave water cut monitor and method.

102/Cal/91 Hoechst Aktiengesellschaft. Process for preventing corrosion on metallic materials during the preparation of carboxylic acid chlorides.

103/Cal/91 Trutzschler Gmbh & Co. Kg. A device for the pneumatic feeding of at least one fibre processing machine eg carding machine.

104/Cal/91 Degussa Ag. A phosphate free detergent builder. [Divisional date 3rd May, 1988]

105/Cal/91 Samsung Electron Devices, Co. Ltd. Method and apparatus for coating graphite on cathode ray tube.

106/Cal/91 Samsung Electron Devices Co. Ltd. Panel washing apparatus for chathode ray tube.

107/Cal/91 Fisher Camuto Corporation. Shoe with improved dual hardness heel-lift.

4th February, 1991

108/Cal/91 Himont Incorporated. Process for repairing plastic coatings on metal tubing.

109/Cal/91 Hoeganaes Corporation. An optimized double press-double sinter powder metallurgy method.

APPLICATIONS FOR PATENT FILED IN THE PATENT OFFICE BRANCH AT TODI ESTATES, IIIRD FLOOR, SUN-MILL COMPOUND, LOWER PAREL (WEST), BOMBAY-13

26th November, 1990

306/Bom/90 Krishnan Raman Mundachali. A method of manufacture of safety latches.

307/Bom/90 Hindustan Lever Limited. Process for preparing high bulk density detergent powders containing clay.

29th November, 1990

308/Bom/90 Antron (India) Private Limited. Solid state lamp adaptors for conservation of energy, surge arresting and prolongation of life of lamp.

309/Bom/90 Antron (India) Private Limited. Solid state sockets for incandescent lamps to conserve energy and extend life of lamps.

310/Bom/90 Pramod Ramchandra Khadilkar. Contactless DC welding generator.

311/Bom/90 Hindustan Lever Limited. Oral Compositions.

30th November, 1990

312/Bom/90 K.B. Kansara. Improved a coupler for plastic sprinkler irrigation.

3rd December, 1990

313/Bom/90 Mohan S/o Dr. Tej Narayan Lal LPG/(CNG) MONO fuel or LPG/(CNG)-Petrol dual fuel system for two wheelers.

314/Bom/90 Hoechst India Ltd. A process for the production of new antibacterial antibiotics Napsamycins C and D from streptomyces candius Y-82, 11372 (Culture Number Hoechst India Ltd. Y-82, 11372 & its mutants & variants.)

315/Bom/90 Indian Oil Corporation Ltd. An improved process for the preparation of Di-tertiary-butyl peroxide.

316/Bom/90 Eagle Flask Industries Ltd. New & improved tap arrangement which operates on the cam principle for use in containers including thermoware.

317/Bom/90 Hindustan Lever Ltd. GB 4-12-89. Detergent composition.

318/Bom/90 Hindustan Lever Ltd. GB 4-12-89 & GB 23-7-90. Hair treatment composition.

319/Bom/90 Raghuvir Singh Hada. Improved western latrine seat.

320/Bom/90 Raghuvir Singh Hada. Plastic Sanitate.

321/Bom/90 Raghuvir Singh Hada & Raghuraj Singh Hada. Reinforced plastic containers.

322/Bom/90 Raghuvir Singh Hada. Improved Indian latrine seat.

323/Bom/90 Sham Bhalchandra Antoorkar. Emergency escape equipment for fire accident or any other eventuality.

4th December, 1990

324/Bom/90 A.R. Padmawar, C/o C.R. Padmawar. Precise measuring instrument for making linear measurement.

5th December, 1990

325/Bom/90 Oil & Natural Gas Commission. A method of reducing load of mud mat of the offshore platform structure.

326/Bom/90 Viddhanand Kamde. Sudharan Prakshepik naye abhikaran ke rupme prayukta karne ke pratikriya.

10th December, 1990

327/Bom/90 M/s. Eden Park Pharma Pvt. Ltd. The use of a measuring spoon made of plastic for any liquid oral medicines or liquid foods.

11th December, 1990

328/Bom/90 Anand Shripad Wagh. Electro magnetic brake for rubber rollers of sow boxes on sizing machines.

329/Bom/90 Anand Shripad Wagh. The new design rubber rollers for sow boxes of sizing machines.

12th December, 1990

330/Bom/90 Jaspal Singh Kalsi. Two wheeler Balancing attachment suspension for physically handicapped.

331/Bom/90 Peico Electronics & Electricals Ltd. An improved driver system for use in an electromechanical transducer.

14th December, 1990

332/Bom/90 Hindustan Lever Ltd. Treatment of vegetable oils.

333/Bom/90 Hindustan Lever Ltd. Pack made from board.

334/Bom/90 Hindustan Lever Ltd. Esterification process. GB 19-11-90.

335/Bom/90 Hoechst India Ltd. A process for the preparation of novel branched chain alkyl esters of 2-[4-(2-piperidino-ethoxy)-benzoyl]—benzoic acid having spacmolytic properties & pharmaceutically acceptable salts thereof.

CLAIMS UNDER SECTION 20(1) OF THE PATENTS ACT, 1970

The claim made by Dallaire Industries Ltd. under Section 20(1) of the Patents Act, 1970 to proceed the application for patent No. 167105 in their name has been allowed.

PRINTED SPECIFICATION CHALLAN

A limited number of Printed Copies of the under noted Specifications are available for sale from the PATENT OFFICE, CALCUTTA and its three Branches at Bombay, Madras and Delhi at Rs. 2/- (Rupees Two only) per copy.

(1)

157951 157952 157953 157954 157955 157956 157957 157958 157959 157960 157961 157962 157963 157964 157965 157966 157967 157968 157969 157970

(2)

157971 157972 157973 157974 157975 157976 157977 157978 157979 157980 157981 157982 157983 157984 157985 157986 157987 157988 157989 157990

(3)

157991 157992 157993 157994 157995 157996 157997 157998 157999 158000 158001 158002 158003 158004 158005 158006 158007 158008 158009 158010 158011 158012 158013 158014 158015 158016 158017 158018 158019 158020 158021 158022 158023 158024 158025 158026 158027 158028 158029 158030.

PATENTS SEALED

165237 165608 165813 165969 166013 166056 166206 166466 166612 166639 166645 166646 166650 166651 166653 166679 166680 166692 166694 166695 166721

CAL—3
MAS—14
DEL—3
BOM—1

RENEWAL FEES PAID

146498 148609 148901 148902 148934 149553 150036 150055 150156 150171 150833 150903 151066 151159 151268 151276 151514 151790 152184 152431 152520 152642 152869 152970 152998 153003 153043 153141 153184 153243 153256 153285 153333 153485 153583 153857 154639 154679 154693 154694 154943 155070 155579 155610 155677 155749 155839 155856 156084 156300 156401 156694 156864 156889 156985 157007 157012 157062 157331 157335 157404 157448 157550 157633 157659 157686 157689 157723 157840 157960 157973 158071 158249 158263 158304 158458 158553 158554 158577 158983 159120 159138 159139 159498 159499 159596 159752 160070 160154 160174 160260 160590 160877 161404 161494 161495 161496 161500 161572 161606 161610 161640 161645 161664 161693 161791 161808 161846 162313 162494 162579 162664 162719 162731 162862 162998 163092 163393 163405 163431 163537 163700 163762 164012 164053 164095 164131 164136 164263 164318 164403 164452 164978 164993 165033 165130 165131 165220 165221 165251 165260 165291 165295 165296 165313 165341 165343 165388 165468 165652 165800 165941 165942 165943 165944 166366 166449 166616 166617 166618 166620 166626 166628.

CESSATION OF PATENTS

154708 157446 162617 165576

RESTORATION PROCEEDINGS

Notice is hereby given that an application for restoration of Patent No. 163278 dated the 7th October 1985 made by Gopi Krishna Kabra on the 30th Jan. 1990 and notified in the Gazette of India, Part III, Section 2 dated the 28th April 1990 has been allowed and the said Patent restored.

Notice is hereby given that an application for restoration of Patent No. 141906 dated the 18th October 1976 made by Tractel Tirfor India Private Limited on the 24th April 1990 and notified in the Gazette of India, Part III, Section 2 dated the 4th August 1990 has been allowed and the said Patent restored.

Notice is hereby given that an application for restoration of Patent No. 160260 dated the 21st March 1984 made by Edward Martinez on the 9th Jan. 1990 and notified in the Gazette of India, Part III, Section 2 dated the 28th April 1990 has been allowed and the said Patent restored.

Notice is hereby given that an application for restoration of Patent No. 160555 dated the 24th June 1984 made by Kollmorgen Technologies Corporation on the 22nd August 1989 and notified in the Gazette of India, Part III, Section 2 dated the 17th February 1990 has been allowed and the said Patent restored.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed alongwith the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

The classifications given beow in respect of each specification are according to Indian Classification and International Classification.

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompained by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by four to get the charges as the copying charges per page are Rs. 4/-.

स्वीकृत सम्पूर्ण विनिर्देश

एतद्द्वारा यह सूचना दी जाती है कि सम्बद्ध आवेदनों में से किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से 4 महीने या अग्रिम ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र-14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, एकस्व को ऐसे विरोध की सूचना विहित प्रपत्र-15 पर दे सकते हैं। विरोध सम्बन्धी लिखित वक्तव्य, उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथाविहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

"प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तरराष्ट्रीय वर्गीकरण के अनुरूप हैं।"

नीचे सूचीगत विनिर्देशों की सीमित संख्यक में मुद्रित प्रतियाँ, भारत सरकार बुक डिपो, 8, किरण शंकर राय रोड, कलकत्ता में विक्रय हेतु यथासमय उपलब्ध होंगी। प्रत्येक विनिर्देश का मूल्य 2-/ रु० है (यदि भारत के बाहर भेजे जाएं तो अतिरिक्त डाक प्रभार)। मुद्रित विनिर्देश की आपूर्ति हेतु मांग पत्र के साथ निम्नलिखित सूची में यथाप्रदर्शित विनिर्देशों की संख्या संलग्न रहनी चाहिए।

रूपांकन (चित्र आरेखों) की फोटो प्रतियां, यदि कोई हों के साथ विनिर्देशों की टंकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता द्वारा विहित लिप्यान्तरण प्रभार जिसे उक्त कार्यालय से पत्र-व्यवहार द्वारा सुनिश्चित करने के उपरांत उसकी अदायगी पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 4 से गुणा करके; (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 4/- रु० है) फोटो लिप्यान्तरण प्रभार का परिकलन किया जा सकता है।

Ind. Cl.: 176 I. 168291
Int. Cl.[4]: F 16 L—59/00.

TUBING STRING OF TUBULAR SEGMENTS.

Applicant: THE BABCOCK & WILCOX COMPANY, OF 1010 COMMON STREET, P.O. BOX 60035, NEW ORLEANS, LOUISIANA 70160, U.S.A. A COMPANY ORGANISED UNDER THE LAWS OF STATE OF DELAWARE, U.S.A.

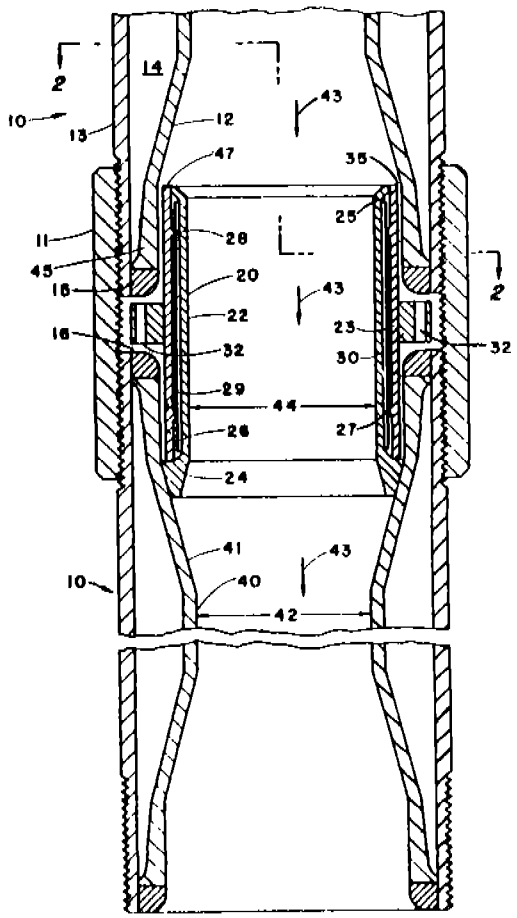
Inventor: KURT EDWARD KNEIDEL.

Application for Patent No. 300/Del/1985, filed on 9th April, 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

11 Claims

A tubing string of at least two tubular segments, comprising means for coupling (11) said tubular segments (10) to each other with opposed ends in axially spaced relationship whereby a gap is defined therebetween, each said tubular segment (10) includes an outer tube (13) and an inner tube (12) said inner tube is concentrically disposed within said outer tube and spaced therefrom to define an annulus between said inner and outer tubes, said inner tube has a cylindrical body with end portions which extend outwardly to and are joined to said outer tube (13) whereby insulation is provided in the annulus, said inner tube (12) cylindrical body defines a cylindrical bore path for conveying a vapor, a cylindrical insert disposed to overlie both of said end portions radially inwardly thereof, and means for engaging said insert (20) to one of said end portions, and said insert (20) is spaced apart radially from the other of said end portions whereby vapor entering from the bore path to the gap may condense and thereby provide insulation means in the gap.



Compl. Specn. 10 Pages. Drgs. 4 Sheets.

Ind. Cl.: 163 B3. 168292
Int. Cl.[4]: F 04 D 3/02. 29/00.

SCREW ROTOR MACHINES.

Applicant: COMPAIR BROOMWADE LIMITED (FORMERLY COMPAIR INDUSTRIAL LIMITED). A BRITISH COMPANY OF P.O. BOX 7, BROOMWADE WORKS, HIGH WYCOMBE, BUCKINGHAMSHIRE, HP 13 5SF, ENGLAND.

Inventors: DAVID HOUGH, SIDNEY JOHN MORRIS & ANTHONY DOBSON BARBER.

Application for Patent No. 429/Del/1985, filed on 28th May, 1985.

Convention date 29th May 1984/8413169/U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

17 Claims

A screw rotor machine for a fluid comprising a housing (11, 12, 13) having two intersecting bores with parallel axes together defining a working (14) space within the housing, a pair of intermeshing rotors (22, 23) mounted one in each bore, each rotor having helical (27, 33) lands and intervening (28, 34) grooves whereby rotation of the rotors is effective to alter the pressure of the fluid, a lower pressure (16) port and a high pressure (19) port located in the housing and being spaced from each other and communicated with the working space for inlet (17) and outlet (20) of fluid from the machine, each grooves of each rotor having a primary (31, 37) flank and a secondary flank (32, 38) in which at least a first portion of at least one of said flanks of each rotor is a parabolic arc.

Compl. Specn. 31 Pages. Drgs. 5 Sheets.

Ind. Cl.: 39 E. & K. 168293
Int. Cl.[4]: C 01 B 15/01.

AN IMPROVED CYCLIC PROCESS FOR THE PREPARATION OF HYDROGEN PEROXIDE.

Applicant: OSTERREICHISCHE CHEMISCHE WERKE GESELLSCHAFT m.b.H., AN AUSTRIAN COMPANY, OF MARIAHILFER GURTEL 39, 1150 VIENNA, AUSTRIA.

Inventors: JORG KEMNADE & BERNHARD MAURER.

Application for Patent No. 382/Del/1986, filed on 29th April, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

7 Claims

An improved cyclic process for the preparation of hydrogen peroxide comprising gasifying a known hydrogenated working solution containing hydroquinone with an oxidising gas in a co-current tubular reactor (6) at a temperature below 100°C and at a pressure below 15 bar, characterised in that the hydrogenated working solution and an oxidising gas are simultaneously introduced in co-current flow into a mixing means wherein both are intensively mixed to form a non-coalescing system having a gas content of at least 40% by volume, the average diameter of gas bubbles formed in the non-coalescing system being not more than 2.5 mm, whereupon the non-coalscing system is introduced into the lower part of said tubular reactor, (6) so that complete reaction of the oxygen with the hydroquinone in the hydrogenated working solution is facilitated at an increased rate and thereafter the oxidised mixture of hydrogenated working solution and oxidising gas is separated into gas and hydrogen peroxide liquid in a known manner.

Compl. Specn. 14 Pages. Drgs. 3 Sheets.

Ind. Cl.: 9 A & F. 168294
Int. Cl.[4]: C 22C 21/00.

PROCESS FOR THE MANUFACTURE OF ALUMINIUM ALLOY-SILICA SAND COMPOSITE FOR BREAK LINEAR AND ENGINEERING APPLICATIONS.

Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors: PRADEEP KUMAR ROHTAGI, ALOK KUMAR GUPTA, TAPAN KUMAR DAN & SOMURI VARA PRASAD.

Application for Patent No. 781/Del/86, filed on 2nd September, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

9 Claims

A process for the manufacture of aluminium alloy silica sand composite for brakeliner and engineering applications which comprises melting aluminium alloy such as herein described, in a furnace, adding a flux such as herein described to the molten alloy at 700°C to cover the melt, to remove slag and impurities and to prevent exposure of the melt to the atmosphere, mixing the melt with an additive and a reactive metal such as herein described, to increase the wettability of the alloy and the sand particles, agitating the melt, degassing the melt with dry nitrogen gas, again treating the melt with flux, removing the scum formed, and gradually adding the sand particles which are precleaned with 0.5% NaOH and surface activated by heating to 900°C for 2-3 hours to the melt, stirring at 500-600 r.p.m. at a temperature of 700-740°C, again degassing the melt with dry nitrogen for 2-3 min. at a temperature of 730-750°C and casting the composite by known methods.

Compl. Specn. 15 Pages. Drg. 1 Sheet.

Ind. Cl. : 31/00, 55E4 XIX (1). 168295
Int. Cl⁴ : A 61 K 31/00.

A METHOD OF MAKING A PREPARATION FOR USE IN TISSUE GROWTH REGULATION.

Applicant & Inventor : NELL GEDDES CLARKSON HENDRY, A BRITISH CITIZEN, OF TILLYFODDIE, DUNECHT, SKENE, ABERDEENSHIRE AB3 7BB, SCOTLAND, UNITED KINGDOM.

Application for Patent No. 896/Del/86, filed on 8th October, 1986.

Convention date October 8th 1985/8524807/U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

9 Claims

A method of making a composition for use in tissue growth regulation in humans or animals which comprises forming a solution of (a) at least one of, an-N-acetyl-D-glycosamine or an oligomer thereof or deactylated derivative thereof or a substituted product of these compounds such as herein described.

(b) at least one of biotin such as herein described and

(c) a divalent metal cation together with a pharmaceutically acceptable anion such as herein described, in water, heating said solution to a temperature between 50 to 80°C for an extended period of time, and then recovering the preparation for use in tissue growth regulation in a manner such as herein described.

Compl. Specn. 13 Pages. Drg. Nil.

Ind. Cl. : 14 [VIII (1)]. 168296
Int. Cl⁴ : H 02 J 7/00.

AN APPARATUS FOR CHARGING A SEALED SECONDARY ELECTRO-CHEMICALS POWER SOURCE IN COMBINATION WITH SAID POWER SOURCE.

Applicant : SAB NIFE AB., A SWEDISH COMPANY, OF BOX 515, S-261 24 LANDSKRONA, SWEDEN.

Inventor : PER ANDERS SELANGER.

Application for the Patent No. 71/Del/87, filed on 29th January, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

6 Claims

An apparatus for charging a sealed, secondary electrochemical power source (14) in combination with said power souce, comprising positive and negative electrodes (17, 18) connected to said power source, a water-based electrolyte (19) in said power source and a gas space (20), in said power source characterised in that a vacuum pump (23) is connected to the said gas space (20) by means of an evacuation line (24) for evacuating said gas space when the said power source is being charged, and a d.c. voltage source (25), such as rectifier is connected between said vacuum pump and power source (14) for maintaining a constant charging voltage to the power source.

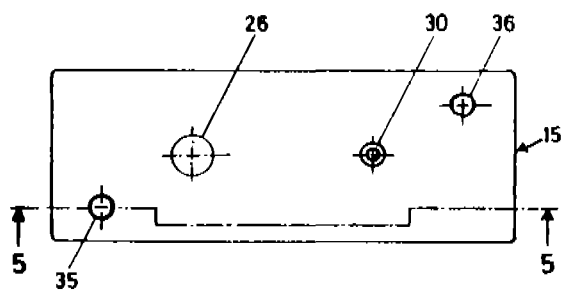


Fig. 4

Compl. Specn. 13 Pages. Drgs. 4 Sheets.

Ind. Cl. : 195 E XXIX (3). 168297
Int. Cl⁴ : B 67 D 1/00, A 47 J 31/00.

FLUID DISPENSER.

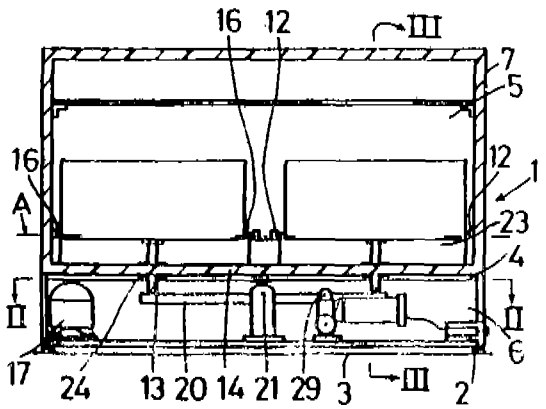
Applicants and Inventors : SOLLY KATZ, A SOUTH AFRICAN CITIZEN, OF 173 RECHOV, HAKARAMIN, EFRAT, ISRAEL 90962.

Application for the Patent No. 238/Del/87, filed on 19th March, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

17 Claims

A fluid dispenser for use in a closed fluid dispensing system such as herein defined, said dispenser comprising a holder (11); a fluid container (15) supported by the holder; a dispensing device (35) connected to the container; a disturbing means (20, 21) connected to the container for mechanically agitating the said container and a drive means (19) connected to the disturbing means for driving the said disturbing means, to impart a rocking motion to the container, so that the fluid inside the container remains homogenized.



Compl. Specn. 23 Pages. Drgs. 4 Sheets.

Ind. Cl. : 55A [XIX (1)]. 168298
Int. Cl.[4] : A 01N 59/00.

PROCESS FOR PREPARING A DISINFECTANT.

Applicant : SANOSIL AG., A SWISS JOINT STOCK COMPANY, OF GENERAL WILLE STRASSE 201, CH-8706 FELDMEILEN, SWITZERLAND.

Inventor : JANOS GOMORI.

Application for the Patent No. 275/Del/87, filed on 31st March, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

Claims

A process for preparing a storage stable, clear concentrate which, upon admixture with hydrogen peroxide forms a disinfectant, which comprises mixing an inorganic acid of the kind such as herein described with distilled or fully desalted water, to yield a solution having a pH less than or equal to 1.6, admixing this solution at a temperature between 50 and 60°C with a silver salt or a silver salt complex of the kind such as herein described in an amount which yields from 95 to 105g Ag per liter, cooling the resultant admixture to 25-30°C and adding such an amount of the same acid as used for adjusting the PH of the said acid solution, the total amount of this acid being at least equimolar with the amount of silver present, cooling this admixture to a temperature of from 20-25°C and adding thereto an organic stabilizer of the kind such as herein described and optionally gelatine, and homogenizing the obtained mixture.

Compl. Specn. 15 Pages. Drg. Nil.

Ind. Cl. : 176 I. 168299
Int. Cl.[4] : F16L-59/00.

APPARATUS FOR CONVEYING VAPORS.

Applicant : THE BABCOCK & WILCOX COMPANY, A COMPANY ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 1010 COMMON STREET, P.O. BOX 60035, NEW ORLEANS, LOUISIANA 70160, UNITED STATES OF AMERICA.

Inventors : KURT EDWARD KNEIDEL & MINH LUU.

Application for Patent No. 686/Del/87, filed on 6th August, 1987.

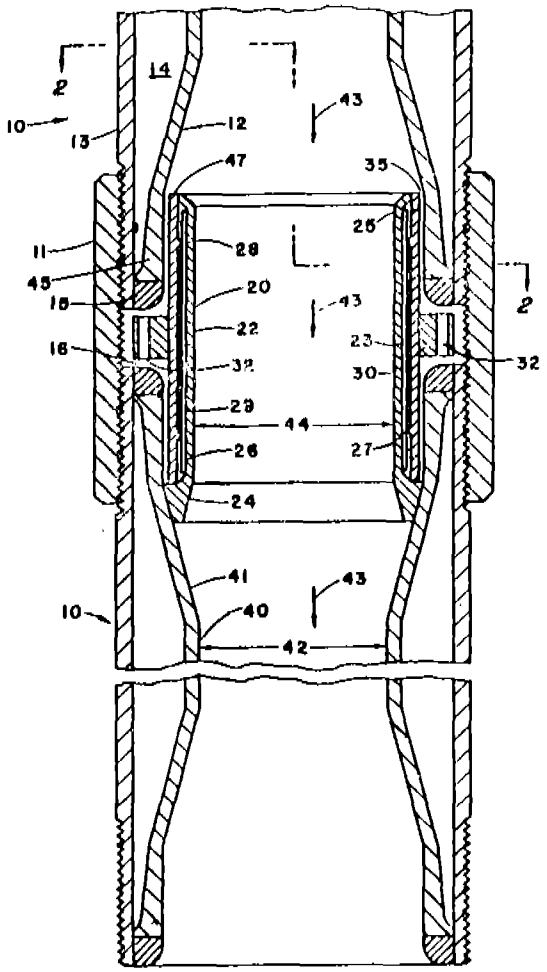
Application for Patent No. 300/Del/85, filed on 9th April, 1985.

Ante-dated to 9th April, 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

12 Claims

Apparatus for conveying a vapor comprising a tubing string of at least two tubular segments (10); a coupling means (11) which joins the said tubular segments to each other by their end portions (41, 45) and having a gap (16) in between said end portions, with the opposed ends being axially spaced from each other, each said tubular segment comprising an outer tube (13) and an inner tube (12), said inner tube being concentrically disposed within said outer tube and a spaced so as to have an annulus (14) between said inner and outer tubes wherein insulating means may be disposed, said inner tube being cylindrical and having a cylindrical bore path (42) for conveying a vapor, the end portions (41, 45) thereof extending outwardly and connected to said outer tube (13); a cylindrical insert (20) disposed to overlie both of said end portions (41, 45) radially inwardly thereof; means for engaging said insert (20) to at least one of said end portions, said insert comprises a cylindrical inner member (22) and a cylindrical outer member (23) surrounding said inner member to define an annular space (25) therebetween, said inner and outer members (22, 23) being joined together at their ends.



Compl. Specn. 11 Pages. Drg. 1 Sheet.

Ind. Cl. : 1C [XLIII (1)] 32 C [IX (1)] 55 E4 [XIX (1)]. 168300
Int. Cl.[4] : A 61 K 35/78.

A PROCESS FOR SEPARATION OF PURE PLANTAGO OVATA (ISAPGOL) MUCILAGE FROM ITS WHOLE SEED AND SEED HUSK.

Applicants : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : MADHU KHANNA, RAMESH CHANDRA NANDI, GIRISH KUMAR JAIN, SATYAWAN SINGH, JAGAT PAL SINGH SARIN.

Application for the Patent No. 1048/Del/87, filed on 8th December, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

8 Claims

A process for the separation of pure plantago Ovata (isapgol) mucilage from its whole seed and seek husk which comprises suspending the whole seed or the seed husk in water to form a thick viscous mucila ginous suspension, treating the suspension with aqueous alkali hydroxide solution to liquify and thinning the suspension, filtering the suspension and then acidifying it to a pH 2.0, washing the precipitated mucilage with water, then with ethanol and finally with acetone, dried and then powered.

Compl. Specn. 7 Pages. Drg. Nil.

Ind. Cl. : 9A. 168301
Int. Cl.[4] : C 22 C 21/00.

A PROCESS FOR THE MANUFACTURE OF ALUMINIUM GRAPHITE PARTICULATE COMPOSITE, USING UNCOATED GRAPHITE PARTICLES FOR AUTOMOBILE AND ENGINEERING APPLICATIONS.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : PRADEEP KUMAR ROHATGI, TAPAN KUMAR DAN, SURESH CHANDRA ARYA, SOMURI VARA PRASAD, SATYABRATA DAS, ALOK KUMAR GUPTA, BRIJ KISHORE PRASAD AND AMOL KUMAR JHA.

Application for Patent No. 780/Del/86, filed on 2nd October, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

7 Claims

A process for the manufacture of aluminium-graphite particulate composite using uncoated graphite particles for automobile and engineering applications which comprises melting aluminium alloy such as herein described, in a furnace, adding a flux such as herein described to the molten alloy at 700°C to cover the melt, to remove slage and other impurities and to prevent absorption of moisture from the atmosphere, treating the melt with a reactive metal such as herein described to increase the wettability of the alloy and the graphite particles, agitating the melt, cleaning and degassing the melt with the dry nitrogen gas, again treating the melt with flux and cleaning, gradually by removing scum formed, generally adding graphite power, which is surface activated by heating to 900°C for 2-3 hours to the melt, stirring at 500-600 r.p.m. at a temperature of 700-720°C, again degassing the melt with dry nitrogen for 2-3 min. at 700-740°C followed by casting using known methods.

Compl. Specn 24 Pages. Drg. 1 Sheet.

Ind. Cl. : 140 B1. 168302
Int. Cl[4] : C10N & 40/08.

A FUNCTIONAL FLUID SUCH AS HYDRAULIC/TRANSMISSION FLUIDS, BRAKE FLUIDS, POWER STEERING FLUIDS AND TRACTOR FLUIDS.

Applicant : THE LUBRIZOL CORPORATION, OF 29400 LAKELAND BOULEVARD WICKLIFFE, OHIO 44092 U.S.A., A CORPORATION OF THE STATE OF OHIO, UNITED STATES OF AMERICA.

Inventors : FREDERICK LANSDALE BAYLES, CRAIG DANIEL TIPTON & FEED HUBER WALSH.

Application for Patent No. 1111/Del/86, filed on 17th December, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

12 Claims

A functional fluid such as hydraulic/transmission fluids, brake fluids, power steering fluids and tractor fluids comprising 81.5 to 99.5 wt % of a hydrocarbon oil such as herein described and 0.5 to 19.5 wt% of an additive comprising 0.5 to 5.5 percent by weight of a calcium salt such as herein described; 0.1 to 1.5 percent by weight of a borated epoxide; 1 to 4 percent by weight of an EP/antiwear agent in a form of a zinc dithiophosphate and 0.1 to 1 percent by weight of a carboxylic solubilizer in the form of an amine reaction product of an acylating agent containing a substituted hydrocarbyl-based substituent containing 12 to 500 carbon atoms.

Compl. Specn. 20 Pages. Drg. 1 Sheet.

Ind. Cl. : 87 I [XLII (4)]. 168303
Int. Cl.[4] : A63H 1/18, 33/26.

BUILDING BLOCK FOR A TOY CONSTRUCTION SET.

Applicant : INTERLEGO AG A SWISS COMPANY, OF SIHLBRUGGSTRASSE 3, CH-6340 BAAR, SWITZERLAND.

Inventor : PETER BOLLI.

Application for Patent No. 14/Del/877, filed on 6th January, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

12 Claims

A building block for a toy construction set comprising :

a body member (1) having a top wall (2);

said top wall having at least two rows of equally spaced coupling prins (7, 8) placed on one surface and forming at least two columns of equally spaced pins, the rows and columns being orthogonally directed, and counter coupling means (25) for pins of another block formed on an opposite surface; said coupling pins (7, 8) each having an electrically conductive means;

alternative coupling pin conductive means of one row being electrically connected with alternate coupling pin conductive means of an adjacent row to form two separate electrical conductors; wherein the coupling pins of one row of each conductor are longitudinally displaced with respect to the coupling pins of the adjacent row of said conductor by the longitudinal distance between adjacent pins.

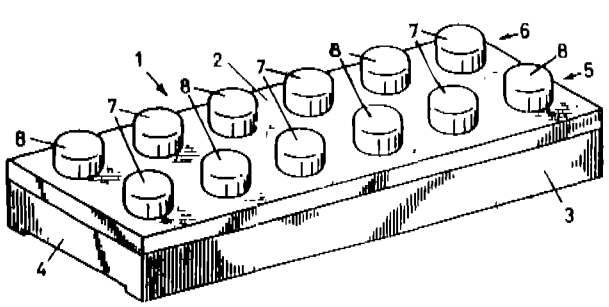


Fig. 1

Compl. Specn. 16 Pages. Drgs. 2 Sheets.

Ind. Cl. : 35E [XXV (2)]. 168304
Int. Cl.[4] : B 22/D, 23/00, C04B, 35/60, & 35/62.

A METHOD FOR PRODUCING A REFRACTORY FUSED CAST-MOULDING.

Applicant : STEMCOR CORPORATION, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF 200 PUBLIC SQUARE, CLEVELAND, OHIO 44114-2375 UNITED STATES OF AMERICA.

Inventors : JONATHAN JANG-HO KIM, THOMAS AQUINAS MYLES.

Application for the Patent No. 42/Del/87, filed on 21st January, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

9 Claims

A process method for producing a refractory fused cast molding having a generally random, uniform and fine microstructure throughout and evenly distributed closed pores, comprising :

(a) Directing at least one plasma stream into a mold having cooling means;

(b) Introducing refractory particles into said plasma stream to rapidly heat the refractory particles;

(c) Depositing said heated refractory particles into said mold as they are being heated;

(d) Allowing said heated particles to at least partly coalesce into a fused mass while in said mold; and

(e) Rapidly cooling said fused mass in said mold to prevent shifts in chemistry and stratification due to gravity, and to form a fully solidified molding having a generally random microstructure throughout.

Compl. Specn. 18 Pages. Drgs. 3 Sheets.

Ind. Cl. : B 60L 7/02/158D [LVII (2)]. 168305
Int. Cl.[4] : B60L 7/02.

A DEVICE FOR VENTILATING AT LEAST ONE OF A FLUID RADIATOR UNIT AND A STARTING AND BRAKING RHEOSTAT UNIT LOCATED PROXIMATE TO THE ROOF OF AN ELECTRICALLY POWERED UNIT.

Applicant : ALSTHOM OF 38 AVENUE KLEBER 75784 PARIS CEDEX 1, FRANCE; A FRENCH BODY CORPORATE.

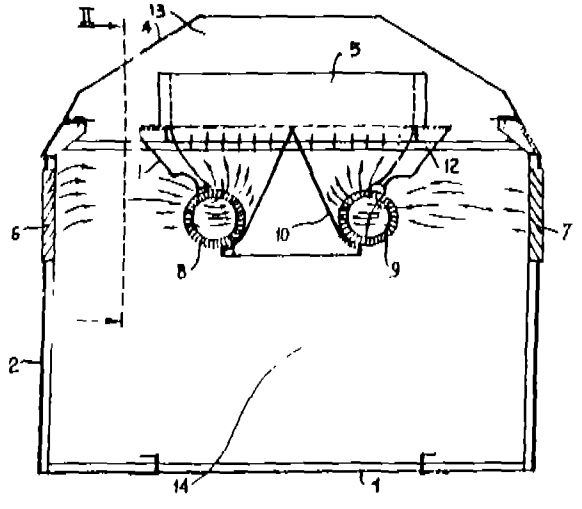
Inventors : JEAN-CLAUDE DUMAS, MAURICE THORAVAL & GERARD GENUIT.

Application for Patent No. 89/Del/87, filed on 4th February, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

5 Claims

A device for ventilating at least one of a fluid radiator unit (5) and a starting and braking rheostat unit (15) located proximate to the roof of an electrically powered locomotive unit (1) said device comprising at least one air intake opening (6, 7) disposed on the side wall (2, 3) of said locomotive unit, at least one tangential fan (8, 9) located proximate to said at least one radiator and rheostat unit, having a horizontal axis of rotation located longitudinally relative to said locomotive, a triangular volute (10) located proximate to said at least one tangential fan, and side baffles (11, 12) located above said at least one tangential fan, defining separate access chambers from the outlet of said at least one tangential fan, said access chamber outlets substantially covering the entire surface area of the said at least one radiator and rheostat unit to be ventilated.



Compl. Specn. 13 Pages. Drg. 5 Sheets.

Ind. Cl. : 32 B & 40 F. 168306
Int. Cl.[4] : C 08 F 4/16, 4/22, 4/30

PROCESS FOR PREPARATION OF COPOLYMERS.

Applicant : SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V. A NETHERLANDS COMPANY, OF CAREL VAN BYLANDTLAAN 30, 2596 HR THE HAGUE, THE NETHERLANDS.

Inventors : JOHANNES ADRIANUS MARIA VAN BROEKHOVEN, EIT DRENT.

Application for the Patent No. 131/Del/87, filed on 16th February, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

8 Claims

A process for preparation of copolymers of a mixture of carbon monoxide and one or more olefinically unsaturated organic compounds, comprising copolymerising the mixture in any conventional manner in the presence of a catalyst, characterised in that said catalyst comprises :

(a) a palladium compound of the kind such as herein described;

(b) an acid with a pka of less than 2, provided that the acid is not a hydrohalogenic acid;

(c) a bidentate ligand of the general formula R^1 R^2 -M-R-M,R^3 R^4 wherein M represents phosphorous, arsenic or antimony, R^1, R^2 R^3 and R^4 represent hydrocarbyl groups and R represents a bivalent organic bridging group having at least two carbon atoms in the bridge, and

(d) a quinone of the kind such as herein described.

Compl. Specn. 11 Pages. Drg. Nil.

Ind. Cl. : 169A. 168307
Int. Cl. : F 41D 10/34.

APPARATUS FOR CONFORMAL TRANSFER OF THE CRADLE MOVEMENT OF A FIREARM TO THE DIRECTION COLLIMATOR.

Applicant : WERKZEUGMASCHINENFABRIK OERLIKON-BUHRLE AG, OF BIRCHSTRASSE 155, 8050 ZURICH (SWITZERLAND) A COMPANY ORGANIZED UNDER THE LAWS OF SWITZERLAND.

Inventor : PETER SCHUMACHER.

Applicantion for Patent No. 202/Del/87, filed on 6th March, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

3 Claims

An apparatus for conformal transfer of the cradle movement of an elevatable firearm (31) to a collimator sight, (32) which is pivotably mounted on a bracket (25) fixed on a casing (24) of the elevatable firearm (31) and is connected by a linkage system between said collimator sight (32) and said casing (24) of the firearm to said firearm (31) characterised in that

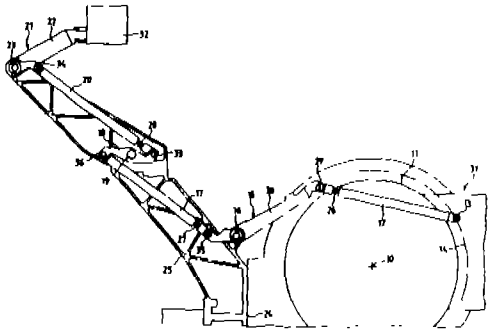
— said linkage system has at least two, and as many two-armed levers on (15, 18, 21) axes fixed with respect to the bracket (25) as are necessary to conform the linkage system to the shape of the firearm (31) without impeding the elevation of said firearm, (31)

— that said levers are (15, 18, 21) inter-connected via link bars, (12, 17, 20)

— that the collimator sight (32) is attached to one arm of the first (21) of the said two armed levers counting (15, 18, 21) along the bracket (24) away from said collimator sight, (32)

— and the firearm (31) is connected by a link bar to (12) an arm of the last of said two-armed levers (counted the same way),

— and that each link bar has (12, 17, 20) an element for (26, 27, 28) adjusting its length to form parallelograms of the sets of pivot axes of (23, 34, 33, 19) (36, 33, 16, 35) (16, 29, 13, 10) the linkage system associated with the adjustable link bars (12, 17, 20).



Compl. Specn. 6 Pages. Drg. 1 Sheet.

Ind. Cl. : 98G VII (2). 168308
Int. Cl. : F24J. 2/00. 2/46 & 2/48.

VACUUM SOLAR COLLECTOR.

Applicant : THERMO-SOLAR ENERGIETECHNIK GmbH, OF LILIENTHALSTRASSE 58, D-8400 REGENSBURG, WEST GERMANY, A GERMAN COMPANY.

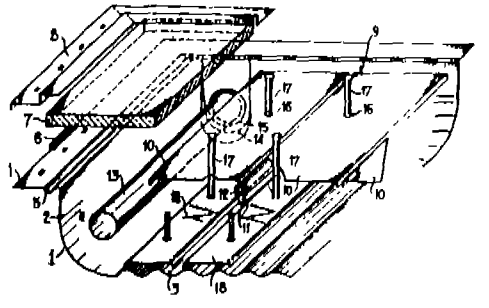
Inventor : BERAND KELLNER.

Application for the Patent No. 280/Del/87, filed on 2nd April, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

8 Claims

Vacuum solar collector comprising an integrally seamless deep-drawn sheet metal through (1) which contains an absorber (9) and conduits (12, 13) for allowing passage of a heat transport fluid therethrough, said trough having an edge (4) on which is fixed a radiation-permeable pane (7) which covers the sheet metal through, said radiation-permeable pane being supported over its face facing the trough bottom by spaced supports (17), said supports in turn bearing against the trough bottom (3), characterised in that the trough bottom (3) has undulations such as provided in a corrugated sheet, said undulations preventing any bending and twisting forces caused by vxuumising the trough from being transmitted through the walls to said radiation-permeable pane.



Compl. Specn. 8 Pages. Drgs. 2 Sheets.

Ind. Cl. : 125 B3 168309
Int. Cl. : B0 1 L 3/02

AUTO-STOP FINE MICRO-BURETTE.

Applicant : BHUVAN CHANDRA RATHOR (INDIAN) AHRO, DISTT. RAMPUR (U.P.) NAI BASTI, PACHPERA MANDIR, MORADABAD-244001 INDIA.

Application for Patent No. 459/Del/87 filed on 1st June 1987.

Appropriate Office for the Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

10 Claims

Auto-stop Fine Micro-burette comprising of a glassware unit and a hardware unit, wherein the said glasware unit comprises of a cylindrical glass tube F housing inside, a main tube A and a capillary tube B and also a siphon tube S placed in between these tubes A and B, the main tube A and siphon tube S being connected at their top end by zero adjuster capillary tube Za, through stop cork Ec; the capillary tube B being directly connected at its top end to said siphon tube S through a fine capillary; a capillary bulb Zb with one end opened to air placed at the top end of the said main tube & siphon tube and connecting to them at other end; another stop cork Ea severally connects the main tube A & capillary tube B at their bottom end to an U shaped delivery tube Ca and Cb and also variably connects at its different turn positions the all three above together with another stop cork Eb; the said hardware unit comprising a burette stand G holding the said cylindrical glass tube F and at its bottom is provided with an air tight pressure chamber Ja at one end, an air jacket Ib provided at the bottom of the said stand for raising the liquid into the burette from the beaker in the pressure chamber.

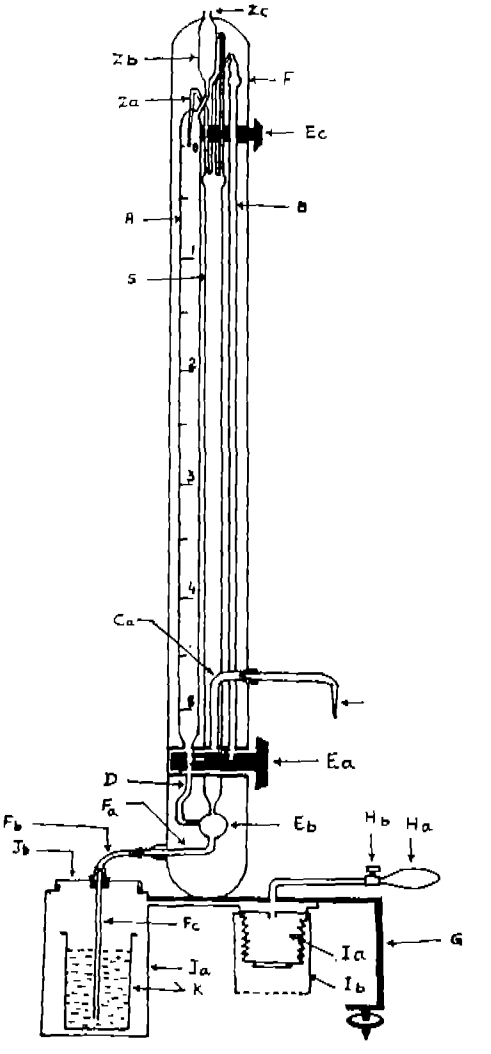


Fig. 1

Compl. Specn. 16 Pages Drgs 6 Sheets.

Ind. Cl. : 131 A2, 131 B3 168310
Int. Cl. : C 09 K 7/06, E 21 B 21/00.

BASE OIL COMPOSITION SUITABLE FOR USE IN DRILLING FLUIDS.

Applicants : B.P. CHEMICALS LIMITED, A BRITISH COMPANY, OF BELGRAVE HOUSE, 76 BUCKINGHAM PALACE ROAD, LONDON SW1W OSU, ENGLAND.

Inventors : ROBERT WILLIAM DENNIS, CHARLES JOHN DYE, ALAM KEASEY.

Application No. 515/Del/87, filed on 16th June 1987.

Convention date June 25/86/8615478/(U.K.).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

6 Claims

A base oil composition suitable for use in drilling fluid, said composition comprising a base oil component with an aromatic hydrocarbon content of less than 10% w/w and a polar activator in the range of from 1 to 5% w/w, said activator being one or more ether alcohols of the kind such as herein described.

Compl. Specn. 20 Pages. Drg. Nil.

Ind. Cl. : 206-E 168311
Int. Cl. : G06 F 13/00, 15/00; G 06 G 7/00.

IMPROVEMENTS IN OR RELATING TO RULE BASED DIAGNOSTIC SYSTEM WITH DYNAMIC ALTERATION CAPABILITY.

Applicant : WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventors : (1) CHRISTIAN TURNER KEMPER, (2) SIMON LOWENFELD.

Application for Patent No. 503/Cal/85, filed on 5th July 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

8 Claims

Computer controlled diagnostic apparatus for diagnosing an operating system subject to malfunctions, comprising means for storing within the memory of said computer a rule base pertinent to the particular operating system being diagnosed and being operable to reach one or more conclusions relative to the condition of said system, said rule base being comprised of a plurality of schema, each said schema being defined by a data structure having a plurality of slots in which particular attributes of the schema are stored, said rule base comprises at least one special rule operable to change the contents of any predetermined slot of any predetermined other schema upon the occurrence of a predetermined event.

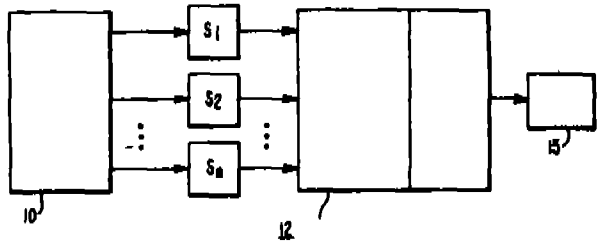


Fig. 1

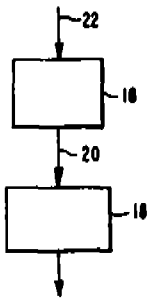


Fig. 2

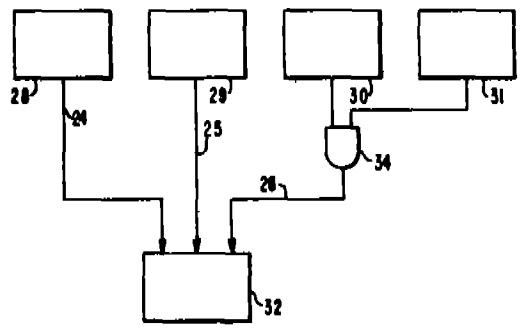


Fig. 3

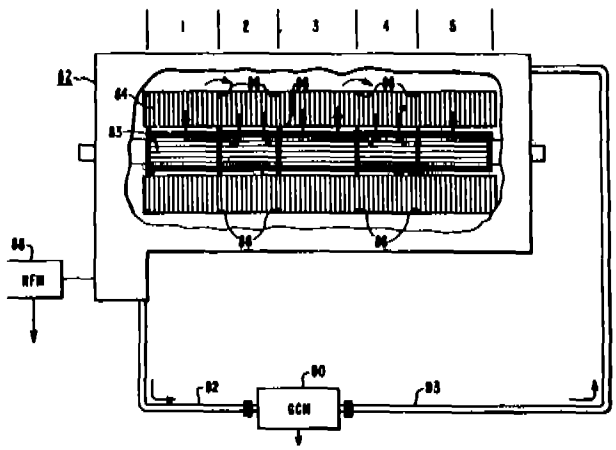


Fig. 6

Compl. Specn. 26 Pages. Drgs. 8 Sheets

Ind. Cl. : 35B 168312
Int. Cl. : C 04 B 20/04.

APPARATUS FOR THERMALLY TREATING FINE-GRAINED SOLIDS PARTICULARLY FOR BURNING GROUND RAW MATERIAL FOR MAKING CEMENT.

Applicant : VOEST-ALPINE AKTIENGESELLSCHAFT. MULDENSTRASS 5, A-4020 LINZ, AUSTRIA, & VEB SCHWERMASCHINENBAU-KOMBINAT "ERNST THALMANN" MAGDEBURG, DDR-3011 MAGDEBURG, GERMAN DEMOCRATIC REPUBLIC.

Inventors : (1) ING. FRANZ KRENNBAUER, (2) ING. FRIEDRICH FEHRINGER.

Application for Patent No. 832/Cal/85, filed on 22nd November 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

An apparatus for producing thermally treated fine grained solids comprising :

a multi-stage heat exchanger for preheating said solids,

a reaction vessel connected to receive preheated solids from said heat exchanger and comprising reaction gas outlet means for delivering reaction vessel exhaust gas.

a furnace connected to receive reacted solids from said reaction vessel and comprising furnace gas outlet means for delivering furnace exhaust gas,

said heat exchanger comprising first and second sets of heat exchange stages, first and second exhaust gas lines in heat transfer relation with said first and second sets, respectively, of said heat exchange stages, means for transferring said solids through heat exchange stages of said first and second sets in alternation, and an additional heat exchange stage connected to receive solids from one of said heat exchange stages of said first and second sets, to receive furnace exhaust gases from said furnace gas outlet means, to deliver furnace exhaust gas, and to deliver said solids to said reaction vessel,

said apparatus also comprising mixing means for producing mixed exhaust gases from reaction vessel exhaust gas and furnace exhaust gas respectively delivered by said reaction vessel gas outlet means and from said additional heat exchanger and for delivering said mixed exhaust gases to said first and second exhaust gas lines,

the improvement residing in that

said reaction vessel as outlet means

comprise two reaction vessel gas outlets for delivering two partial streams of reaction vessel exhaust gas,

two connecting lines are connected to receive said furnace exhaust gas from said additional heat exchange stage and to deliver two separate streams of furnace exhaust gas to said mixing means. Said mixing means are adapted to mix each of said partial streams of reaction vessel exhaust gas with one of said partial streams of furnace exhaust gas and thus to produce first and second streams of mixed exhaust gases, and

said mixing means are connected to deliver said first and second streams of mixed exhaust gases to said first and second exhaust gas lines, respectively.

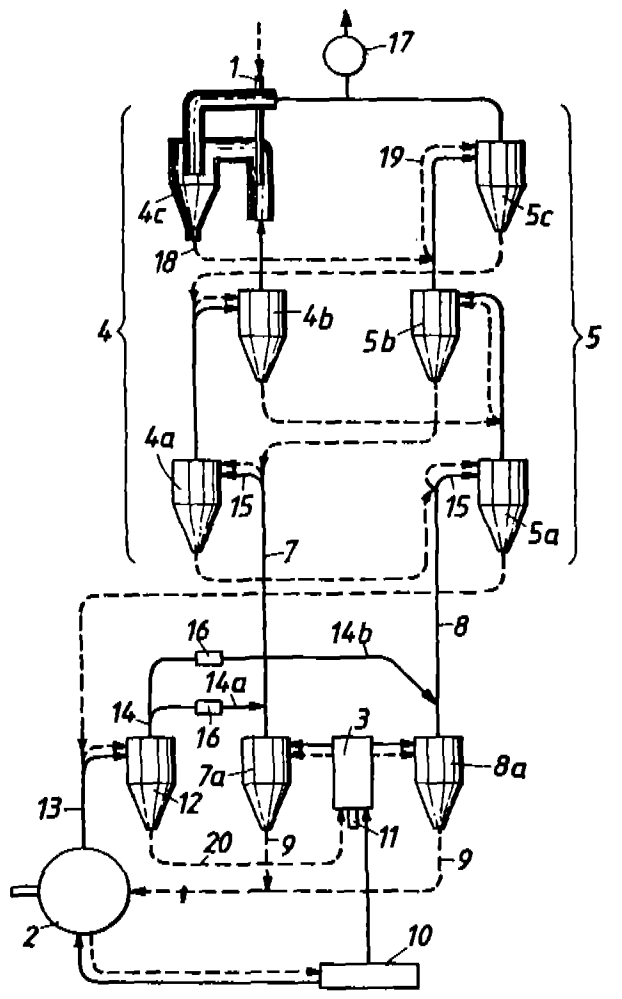


Fig. 1

Compl. Specn. 15 Pages Drgs. 2 Sheets.

Ind. Cl. : $23_{H\ \&\ B}$, $99_{E\ \&\ B}$, 143_{D_1} 168313
Int. Cl. : B65 D 1/00, 5/00, 13/00.

A PACKAGE HAVING INCREASED LOAD BEARING CAPACITY AND A PROCESS FOR ITS MAKING.

Applicant & Inventor : DAYA RANJIT SENANAYAKE, OF NO. 9 ECRIN PLACE, COLOMBO 8, SRI LANKA.

Application No. 895/Cal/85, filed on 11th December 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

14 Claims

A package having increased load bearing capacity and particularly increased capability to withstand compressive load comprising an outer carton or box of any desired shape and configuration, characterised in that at least one inner hollow tubular strut of any preselected cross-section is disposed within said outer carton, said inner hollow tubular strut having same height as the interior of said outer carton or box and those of the said inner hollow tubular strut being in a spaced-apart relationship.

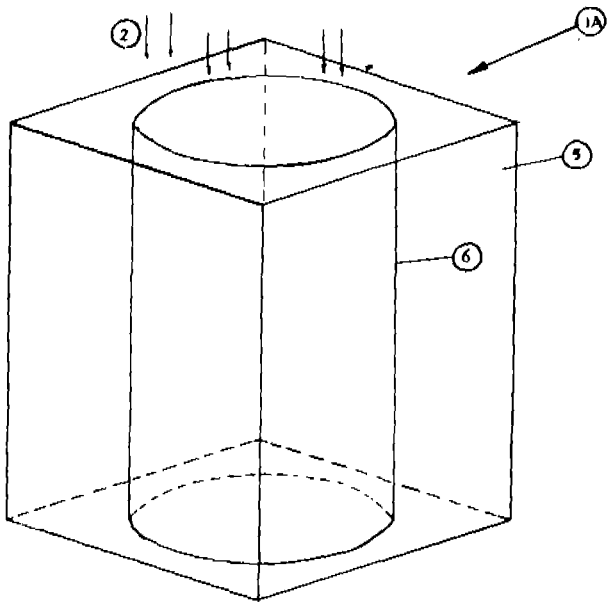


Fig. 3

Compl. Specn. 10 Pages Drgs. 3 Sheets.

Ind. Cl. : 108 C. 3, 5. 168314
Int. Cl. : C21C 5/00, 7/00 C 21 D 8/00.

METHOD OF FORMING HIGH-STRENGTH CORROSION-RESISTANT STEEL.

Applicant : ADVANCED MATERIALS & DESIGN CORPORATION, OF 1372 SUMMIT ROAD, BERKELEY, CALIFORNIA 94708 UNITED STATES OF AMERICA.

Inventor : GARETH THOMAS. NACK JOON KIM, RAMAMOORTHY RAMESH.

Application No. 895/Cal/86, filed on 9th December 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A method of forming a high strength, tough alloy carbon steel, said method comprising the steps of :

(a) heating a steel alloy comprising 0.1 to 0.4 weight % carbon, 1 to 3 weight % manganese and 1 to 13 weight % chromium and the remainder of iron to a temperature above the austenite transformation temperature to form a stable, homogenous austenite phase :

(b) control rolling said austenite phase at a temperature in the range of about 900°C to 1150°C with a reduction of not less than 30% in area to form a microstructure of uniformly dispersed ultrafine austenite grains :

(c) rapidly bringing the rolled steel from step (b) to 950°C :

(d) rolling the cooled steel from step (c) with a reduction of not less than 40% in area to further reduce the size of said grains :

(e) quenching the rolled steel from step (d) in liquid or air to produce high strength steel characterized by a a micro-structure of fine packets of dislocated lath martensite surrounded by stable films of austenite and having properties characterized by a room temperature charpy impact strength of at least about 40 ft/lbs, a plane strain fracture toughness (K_{Ic}) of at least about 80 ksi-in. 1/2 and Rockwell C-scale hardness of at least about 46 and superior wear resistance : and optionally

(f) tempering said high strength steel at a temperature upto about 300°C

Compl. Specn. 19 Pages Drgs. 7 Sheets.

Ind. Cl. : 146 C 168315
Int. Cl. : G05 B 1/00

CONTROL SYSTEMS FOR EXERCISING CONTROL OVER AN INDUSTRIAL PROCESS.

Applicant : COMBUSTION ENGINEERING, INC., OF 1000 PROSPECT HILL ROAD, WINDSOR CONNECTICUT, UNITED STATES OF AMERICA.

Inventors : (1) GEORGE F. SIIULOF, (2) MICHAEL JOHN DIMONTE.

Application No. 95/Cal/87, filed on 30th January 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A control system for exercising control over an industrial process based on measurements of a multiphase, multicomponent fluid comprising :

(a) first signal means for supplying signals representative of the measurements of the multiphase, multicomponent fluid;

(b) operation optimization logic means connected in circuit relation with said first signal means for receiving signals from said first signal means as an input to said operation optimization logic means, said operation optimization logic means having a preestablished bank of data stored therein pertaining to the optimization of the operation of the industrial process, said operation optimization logic means upon signals being received thereby from said first signal means being operative to determine the corrections required to be made in the process parameters of the industrial process, said operation optimization logic means further being operative when a need for such corrections in the process parameters of the industrial process is deemed to exist to produce an output reflective of the process parameter corrections required; and

(c) control logic means connected in circuit relation with said operation optimization logic means for receiving said output therefrom, said control logic means having a preestablished bank of data stored therein pertaining to the control of the operation of the industrial process, said control logic means upon receipt of said output from said operation optimization logic means being operative to determine the nature of the control corrections that are required to be made to the industrial process, said control logic means further being operative to produce an output reflective of the control corrections required.

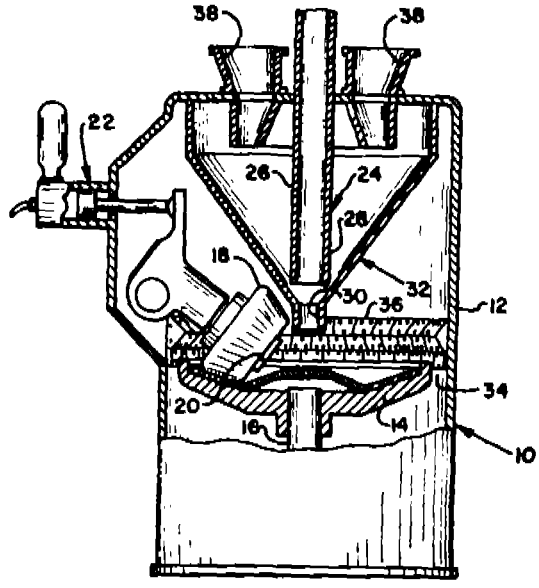


Fig. 1

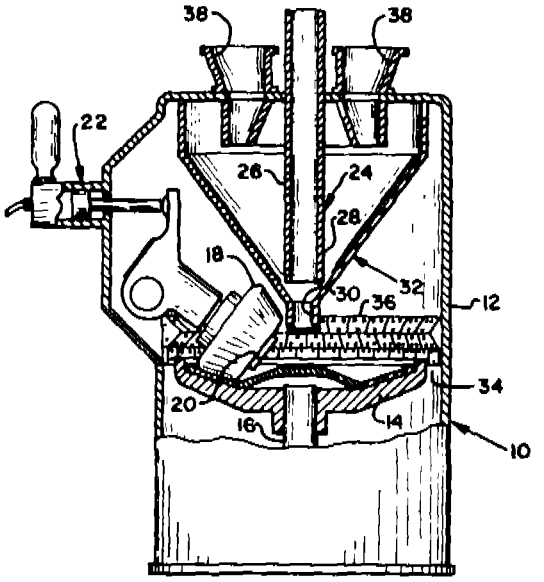


Fig. 1

Compl. Specn. 27 Pages. Drgs. 2 Sheets.

Ind. Cl. : 151 D+F 168316
Int. Cl. : B21 D 49/00, 53/06.

COMPOSITE ARTICLE HAVING A TUBULAR SHEATH CONTAINING A COMPACTED MATERIAL, FOR THE TREATMENT OF LIQUID METALS, AND PROCESS FOR THE PRODUCTION OF SAID ARTICLE.

Applicant : VALLOUREC, OF 7 PLACE DU CHANCELIER ADENAUER, 75016 PARIS, FRANCE, A FRENCH COMPANY.

Inventors : (1) MICHEL DOUCHY, (2) EDMOND VACHIERY.

Application No. 108/Cal/87, filed on 6th February 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims

A composite article for conventional treatment of liquid metal in the form of a tubular sheath of great length capable of being rolled and then unrolled comprising a tubular metal sheath closed by clasping or hooking engagement and a core of powdery or granular material which is compacted within said sheath characterized in that it is of substantially circular cross-section and that the sheath thereof comprises at least onefold which is closed on itself and whose fold edge is in the interior of the compacted material and whose edges are connected to the peripheral zone along a generatrix.

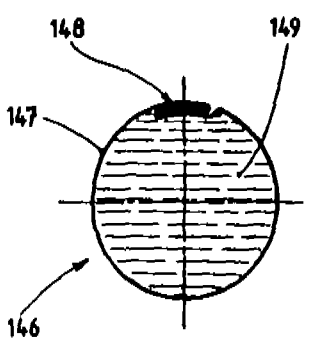


Fig. 3

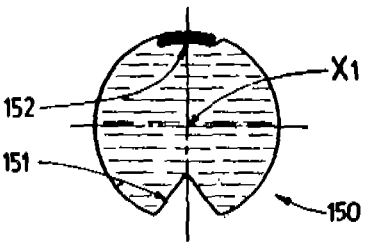


Fig. 4

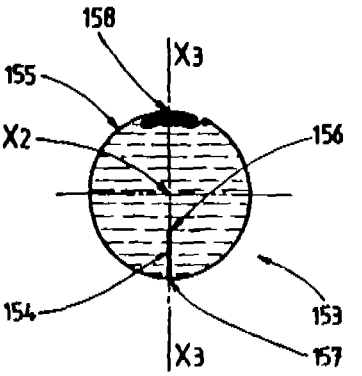


Fig. 5

Compl. Specn. 14 Pages. Drgs. 2 Sheets.

Ind. Cl. : 116 G 168317
Int Cl. : B66F, 9/00.

APPARATUS FOR UNLOADING BULK MATERIAL.

Applicant : CONSILIUM MATERIALS HANDLING MARINE AB. BOX 66, S-267 00 BJUV, SWEDEN.

Inventor : LENNART TINGSKOG.

Application No. 110/Cal/87, filed on 9th February, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims

An apparatus for unloading bulk material from ships in particular, said apparatus comprising a vertical conveyor and a horizontal conveyor connected thereto, said vertical conveyor being provided at its feeding end with a rotary feeding device (13) for feeding the bulk material into the vertical conveyor (10), characterised in that the apparatus also comprises a rotatable material supply device (23, 32) operable by means of a driving motor (24) at a predetermined speed for supplying material to said feeder (13).

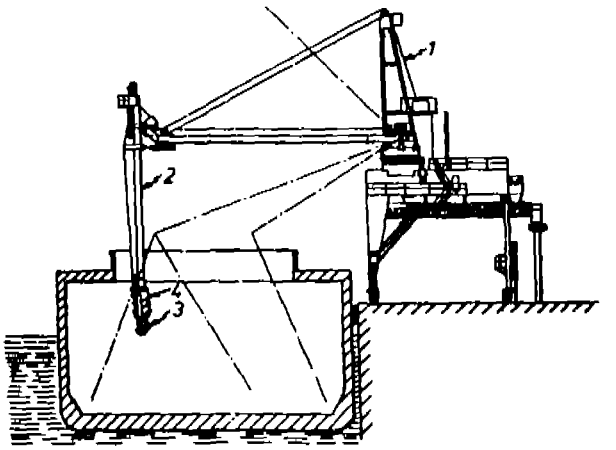


Fig. 1

Compl. Specn. 18 Pages Drgs. 6 Sheets.

Ind. Cl.: 146D1 168318
Int. Cl.: G01 M, 11/00. G 01N, 21/00.

OPTICAL FIBER APPARATUS AND A SENSING SYSTEM HAVING THE SAID APPARATUS.

Applicant: ELI LILLY AND COMPANY, AT LILLY CORPORATE CENTER, CITY OF INDIANAPOLIS, STATE OF INDIANA, UNITED STATES OF AMERICA.

Inventors: (1) DAVID LIPSON, (2) BENJAMIN LYAN LIU, (3) NICOLAS GASTON LOEBEL.

Application No. 139/Cal/87, filed on 23rd February, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims

An elongated optical fiber apparatus for transmitting an incident light signal toward a first end of the apparatus, the first end situated in a fluid, and for transmitting a returning light signal toward a second end of the apparatus that is indicative of a specified characteristic of the fluid, the second end being situated outside the fluid, the apparatus comprising:

a light-conductive cable capable of transmitting light;

a hole formed in the first end of the cable;

a reactive element inserted into said hole to react with the contents of the fluid to alter a property of the light that is indicative of a specified characteristic of the fluid.

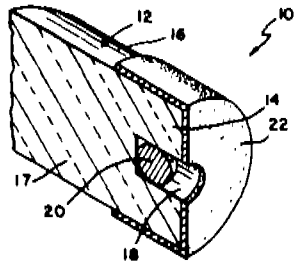


Fig. 1

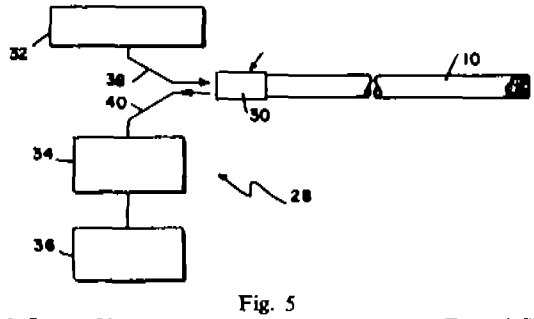


Fig. 5

Compl. Specn. 19 Pages. Drgs. 3 Sheets.

Ind. Cl.: 40-F 168319
Int. Cl.: G 01 n 30/00.

A PROCESS ANALYZER SYSTEM.

Applicant: BENKE INSTRUMENT & ELEKTRO AG., OF RU TIWEG 9, CH-4133 PRATTELN.

Inventor: RUDOLF SEIDEL.

Application No. 194/Cal/87 filed on 10th March, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

17 Claims

A process analyzer system comprising:

at least one means for preparing samples such as inflammable and explosible samples, at least one process analyzer for analysing said samples

and at least one auxiliary material system for said analyzer and having unidirectional or bidirectional communications

means for transmitting electrical signals characterized by the improvement wherein

said analyzer system includes a self-supporting and sealed housing means for enclosing a housing interior in an explosion proof manner;

said housing means comprising a stationary housing part, a door member and an opening in said stationary housing part and said door member serving to close said opening;

movable support means for carrying said process analyzer, said means for preparing samples, said auxiliary material system and said unidirectional or bidirectional communications means;

means for mounting said support means for displacement to and from the housing interior of said housing means through said opening;

said support means being connected at a front side thereof with said door member;

flexible supply and disposal lines connecting said support means to said stationary housing part;

means for closing said door;

means for protecting said system against an explosion and/or against the environment;

monitoring means for coupling said door closing means to said explosion and/or environment protection means so that opening of said door member is only possible in a safe state, and

at least one keyboard and observation station provided on the outisde of said housing means for locally checking said system.

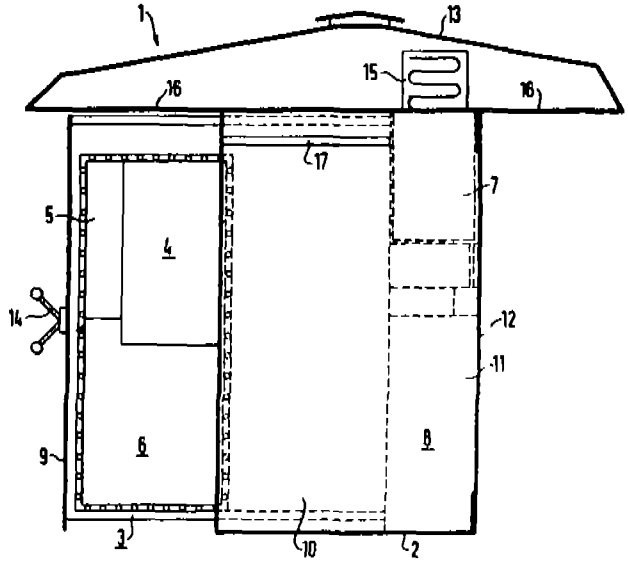


Fig. 2

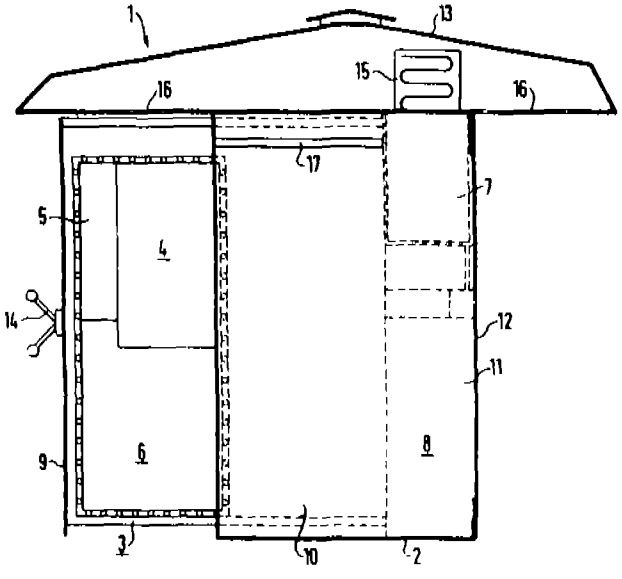


Fig. 2

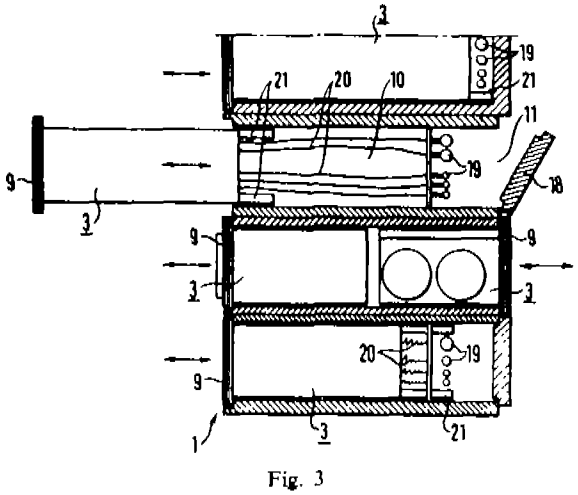


Fig. 3

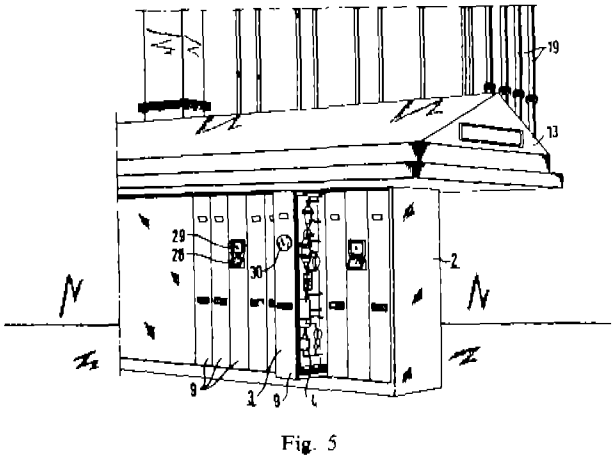


Fig. 5

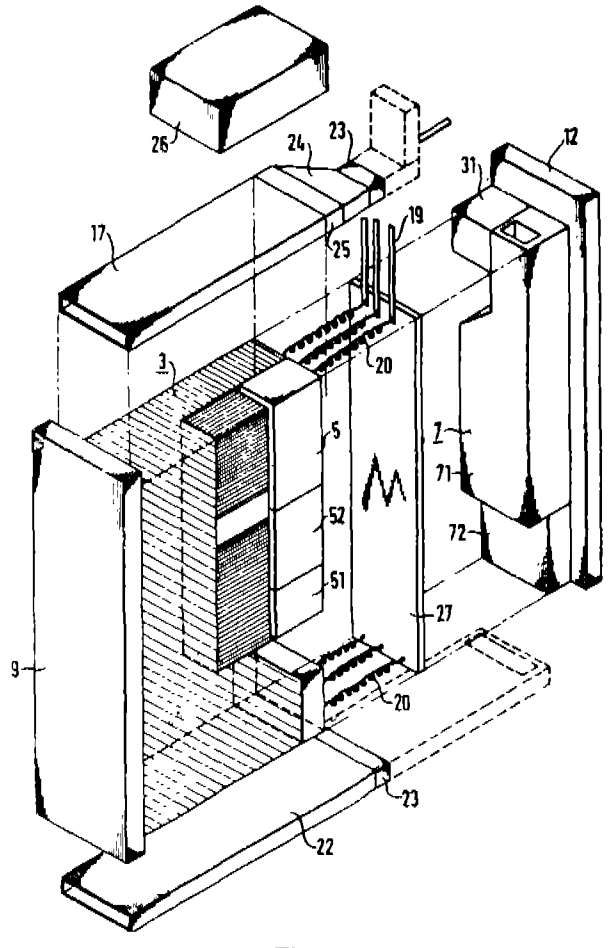


Fig. 4

Compl Specn. 21 Pages Drgs. 4 Sheets.

Ind. Cl. : 152-C; E 168320
Int Cl. : C 08 k 5/01, 13/02.

A COMPOSITION USEFUL IN THERMAL ENERGY STORAGE.

Applicant : UNIVERSITY OF DAYTON, 300 COLLEGE PARK AVENUE, DAYTON, OHIO 45469, U.S.A.

Inventor : IVAL OTIS SALYER.

Application No. 726/Cal/1987, filed on 10th, September, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

29 Claims

A composition useful in thermal energy storage comprising a matrix material such as herein described having incorporated therein a phase change material in an amount of upto 20% by weight optionally in combination with a highly absorptive filler and/or a wetting agent, said phase change material being a blend of at least two crystalline, straight chain, alkyl hydrocarbons having 14 or more carbon atoms and heats of fusion greater than 30 cal/g and optionally including a flame retarding agent such as herein described.

Compl. Specn. 31 Pages Drgs. 2 Sheets.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entry is the date of the registration in the entry.

Class 1. No.162378. Vi-Ku Engineers & Consultants, a partnership firm of 96, Lal Bahadur Shastri Marg, Gayatri Kripa, Industrial Estate, Opposite Union Bank of India, Vikhroli (West), Bombay-400079, Maharashtra, India. "Control Cage". August 3, 1990.

Class 1. No. 162379. Vi-Ku Engineers & Consultants, a partnership firm of 96, Lal Bahadur Shastri Marg, Gayatri Kripa, Industrial Estate, Opposite Union Bank of India, Vikhroli (West), Bombay-400079, Maharashtra, India. "Rotor Shafts". August 3, 1990.

Class 1. Nos. 162380, 162387 & 162391. Vi-Ku Engineers & Consultants, a partnership firm of 96, Lal Bahadur Shastri Marg, Gayatri Kripa, Industrial Estate, Opposite Union Bank of India, Vikhroli (West), Bombay-400079, Maharastra, India. "Liners". August 3, 1990.

Class 1. No. 162381. Vi-Ku Engineers & Consultants, a partnership firm of 96, Lal Bahadur Shastri Marg, Gayatri Kripa, Industrial Estate, Opposite Union Bank of India, Vikhroli (West), Bombay-400079, Maharashtra, India. "Distributor Plate". August 3, 1990.

Class 1. No. 162382. Vi-Ku Engineers & Consultants, a partnership firm of 96, Lal Bahadur Shastri Marg, Gayatri Kripa, Industrial Estate, Opposite Union Bank of India, Vikhroli (West), Bombay-400079, Maharashtra, India. "Blade". August 3, 1990.

Class 1. No. 162383. Vi-Ku Engineers & Consultants, a partnership firm of 96, Lal Bahadur Shastri Marg, Gayatri Kripa, Industrial Estate, Opposite Union Bank of India, Vikhroli (West), Bombay-400079, Maharashtra, India. "Pedestal". August 3, 1990.

Class 1. No. 162384. Vi-Ku Engineers & Consultants, a partnership firm of 96, Lal Bahadur Shastri Marg, Gayatri Kripa, Industrial Estate, Opposite Union Bank of India, Vikhroli (West), Bombay-400079, Maharashtra, India. "Rotor Bearing Assembly". August 3, 1990.

Class 1. 162385. Vi-Ku Engineers & Consultants, a partnership firm of 96, Lal Bahadur Shastri Marg, Gayatri Kripa, Industrial Estate, Opposite Union Bank of India, Vikhroli (West), Bombay-400079, Maharashtra, India. "Distributors (also known as Impellers)". August 3, 1990.

Class 1. 162388. Vi-Ku Engineers & Consultants, a partnership firm of 96, Lal Bahadur Shastri Marg, Gayatri Kripa. Industrial Estate, Opposite Union Bank of India, Vikhroli (West), Bombay-400079, Maharashtra, India. "Rotor". August 3, 1990.

Class 1. No. 162389. Vi-Ku Engineers & Consultants, a partnership firm of 96, Lal Bahadur Shastri Marg, Gayatri Kripa, Industrial Estate, Opposite Union Bank of India, Vikhroli (West), Bombay-400079, Maharashtra, India. "Control Cage Adapter". August 3, 1990.

Class 1. No. 162390. Vi-Ku Engineers & Consultants, a partnership firm of 96, Lal Bahadur Shastri Marg, Gayatri Kripa, Industrial Estate, Opposite Union Bank of India, Vikhroli (West), Bombay-400079, Maharashtra, India. "Bearing Housing also known as Unit Housing". August 3, 1990.

Class 1. No. 162393. Vi-Ku Engineers & Consultants, a partnership firm of 96, Lal Bahadur Shastri Marg, Gayatri Kripa, Industrial Estate, Opposite Union Bank of India, Vikhroli (West), Bombay-400079, Maharashtra, India. "Rotor Hub". August 3, 1990.

Class 1. No. 162394. Vi-Ku Engineers & Consultants, a partnership firm of 96, Lal Bahadur Shastri Marg, Gayatri Kripa, Industrial Estate, Opposite Union Bank of India, Vikhroli (West), Bombay-400079, Maharashtra, India. "Side Liner". August 3, 1990.

Class 3. No. 162245. Ashish Enterprises, Irani Building, Ground Floor, 303, Cawasji Street, Bombay-2, Maharashtra, India. Indian Partnership Firm. "Keychain". June 22, 1990.

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Class 3. No. 162548. Praduman Pratapsinh Asher of Queen's View, 28/30, Walkeshwar Road, Bombay-400006, Maharashtra, India. "Soldering Iron". October 8, 1990.

Class 3. No. 162571. Premier Exports, Tea Division, Premier Court, West Wing, 4, Chandney Chowk Street, Calcutta-700072, West Bengal, India, Indian Partnership Firm. "Mug Pot". October 12, 1990.

Class 3. No. 162717. MEC Engineers 3, Raju Estate, Kherani Road, Sakinaka, Bombay-72, Maharashtra, India. Indian Proprietary Firm. "Castor Wheel". December 4, 1990.

Class 4. No. 162516. Marie Joseph Christian Lecourt De Billot, Mauritian of Flat No. 111, Les Colonies, Forestside, Mauritius. "Building Block". September 19, 1990.

Class 5. No. 162414. Haresh Chhotalal Mehta of Jayant House, Bail Bazar, Andheri-Kurla Road, Kurla, Bombay-400070, Maharashtra, India. "Octo Pack". August 9, 1990.

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